

CLAIMS

1. A multiplexing apparatus for multiplexing a first stream and a second stream for output, comprising:

a first input unit operable to receive a first material;

a second input unit operable to receive a second material;

a first selecting unit operable to select one of said first and second materials as material of said first stream;

a second selecting unit operable to select another of said first and second materials as material of said second stream;

a control unit operable to control said first selecting unit so as to select said another of said first and second materials in place of said one of said first and second materials as said material of said first stream, and operable to control said second selecting unit so as to select said one of said first and second materials as said material of said second stream during a predetermined period of time; and

a multiplexing unit operable to multiplex said first stream and said second stream.

2. A multiplexing apparatus as claimed in claim 1, wherein said control unit controls a bit rate of said second stream to a value within a range that does not limit a bit rate of said first stream.

3. A multiplexing apparatus as claimed in claim 1,

wherein said second material is a commercial.

4. A multiplexing apparatus as claimed in claim 1, wherein said second selecting unit selects a third material as said material of said second stream before selecting said one of said first and second materials, said third material being displayed simultaneously with said one of said first and second materials of said second stream.

5. A method for multiplexing a first stream and a second stream for output, comprising:

inputting a first material and a second material;

selecting one of said first and second materials as material of said first stream;

selecting another of said first and second materials as material of said second stream;

selecting said another of said first and second materials in place of said one of said first and second materials as said material of said first stream during a predetermined period of time;

selecting said one of said first and second materials as said material of said second stream during said predetermined period of time; and

multiplexing said first stream and said second stream.

6. A recording medium recorded with a computer readable program for multiplexing a first stream and a second stream for output, said computer readable program comprising:

inputting a first material and a second material;

selecting one of said first and second materials as material of said first stream;

selecting another of said first and second materials as material of said second stream;

selecting said another of said first and second materials in place of said one of said first and second materials as said material of said first stream during a predetermined period of time;

selecting said one of said first and second materials as said material of said second stream during said predetermined period of time; and

multiplexing said first stream and said second stream.

7. An image output apparatus, comprising:

a selecting unit operable to select one stream from among a first stream and a second stream;

a control unit operable to control said selecting unit so as to select another stream from among said first stream and said second stream in place of said one stream during a predetermined period of time; and

an output unit operable to output during one time said one stream selected by said selecting unit and during another time said another stream selected by said selecting unit.

8. An image output apparatus as claimed in claim 7,

wherein said control unit controls display such that an image included in said one stream is displayed as an image of a specified area, and an image included in said another stream is displayed as an image of an area smaller than said specified area.

9. An image output method, comprising:

selecting one stream from among a first stream and a second stream;

controlling said selecting step so as to select another stream from among said first stream and said second stream in place of said one stream during a predetermined period of time; and

outputting said one stream during one time, and outputting said another stream during another time.

10. A recording medium recorded with a computer readable program for controlling an image output, said computer readable program comprising:

selecting one stream from among a first stream and a second stream;

controlling said selecting step so as to select another stream from among said first stream and said second stream in place of said one stream during a predetermined period of time; and

outputting said one stream during one time, and outputting said another stream during another time.